CLAIMS

What is claimed is:

1. A method for mitigating restenosis at a trauma site within the vasculature comprising:

positioning a catheter adjacent the trauma site; and delivering a restenosis mitigating drug to the trauma site through the catheter.

- 2. The method of Claim 1, wherein a stent is located at the trauma site.
- 3. The method of Claim 2, wherein at least a portion of the catheter is positioned at an interior portion of the stent.
- 4. The method of Claim 1, wherein the restenosis mitigating drug is insulin.
- 5. The method of Claim 1, wherein the restenosis mitigating drug is delivered upstream from the trauma site.
- 6. The method of Claim 1, wherein the restenosis mitigating drug is dispersed to the trauma site through apertures in the catheter.
- 7. The method of Claim 1, wherein the catheter is a balloon catheter.
- 8. The method of Claim 7, further comprising disposing the restenosis mitigating drug on a balloon portion of the balloon catheter.
- 9. The method of Claim 8, wherein the balloon catheter abuts a wall of the vasculature at the trauma site after the balloon catheter is expanded.
- 10. The method of Claim 9, further comprising transferring the restenosis mitigating drug to the trauma site when the balloon catheter abuts the wall of the vasculature.

- 11. The method of Claim 9, wherein the restenosis mitigating drug is dispersed to the trauma site through apertures in the balloon catheter.
- 12. The method of Claim 1, further comprising sensing an analyte with the catheter.
- 13. The method of Claim 12, wherein the delivery of the restenosis mitigating drug is modified in response to the sensing of the analyte.
- 14. The method of Claim 11, wherein the analyte is glucose.
- 15. The method of Claim 1, further comprising adjusting a flow rate of the restenosis mitigating drug.
- 16. The method of Claim 6, further comprising adjusting a dispersal pattern of the restenosis mitigating drug.
- 17. The method of Claim 1, wherein the catheter is positioned prior to a stent procedure.
- 18. The method of Claim 1, wherein the catheter is positioned subsequent to a stent procedure.
- 19. The method of Claim 1, wherein the restenosis mitigating drug is nitric oxide.
- 20. The method of Claim 1, wherein the restenosis mitigating drug is an antibody.
- 21. The method of Claim 1, wherein the restenosis mitigating drug is a steroid.
- 22. The method of Claim 1, wherein the restenosis mitigating drug is an interleukin.
- 23. The method of Claim 1, wherein the restenosis mitigating drug is a blood thinner.

- 24. A system for mitigating restenosis at a trauma site within the vasculature comprising:
- a catheter, the catheter being capable of delivering a restenosis mitigating drug; and a sensor, the sensor extending through a lumen in the catheter.
- 25. The system of Claim 24, wherein the restenosis mitigating drug is insulin.
- · 26. The system of Claim 24, wherein the sensor is a glucose sensor.
 - 27. The system of Claim 24, wherein the catheter is disposed in proximity to the trauma site.
 - 28. The system of Claim 24, wherein the catheter comprises infusion apertures.
 - 29. The system of Claim 24, wherein the catheter is a balloon catheter.
 - 30. The system of Claim 24, wherein the catheter comprises an infusion site upstream from the trauma site.
 - 31. The system of Claim 29, wherein the balloon catheter is coated with the restenosis mitigating drug.
 - 32. The system of Claim 30, wherein the sensor is located downstream from the trauma site.
 - 33. The system of Claim 32, wherein a stent is located between the sensor and the infusion site.
 - 34. The system of Claim 33, wherein the sensor extends through the stent.
 - 35. A system for mitigating stent restenosis comprising: a stent disposed at a trauma site;

- a catheter disposed adjacent the stent;
- a drug for mitigating the stent restenosis; and
- a sensor for monitoring the trauma site, the sensor extending through a lumen in the catheter,

wherein the catheter delivers the drug to the stent.

- 36. The system of Claim 35, wherein the sensor senses a parameter at the trauma site.
- 37. The system of Claim 35, wherein the sensor senses an analyte at the trauma site.
- 38. The system of Claim 37, wherein the analyte is the drug.
- 39. The system of Claim 36, wherein the parameter is related to the drug.
- 40. The system of Claim 35, wherein the drug is insulin.
- 41. The system of Claim 35, wherein sensor is a glucose sensor.
- 42. The system of Claim 35, wherein the catheter comprises an infusion site upstream from the trauma site.
- 43. The system of Claim 42, wherein the sensor is located downstream from the trauma site.
- 44. The system of Claim 43, wherein a stent is disposed between the sensor and the infusion site.
- 45. The system of Claim 44, wherein the sensor extends through the stent.
- 46. The system of Claim 35, wherein the catheter comprises apertures.
- 47. The system of Claim 46, wherein the apertures have a dispersal pattern.

48. The system of Claim 47, wherein the drug is dispersed to the stent through the apertures.